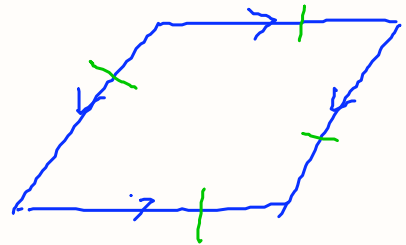
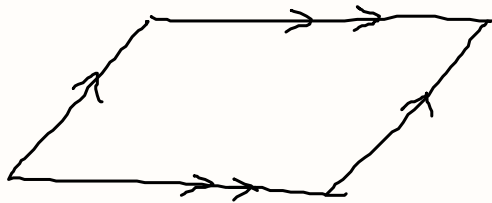


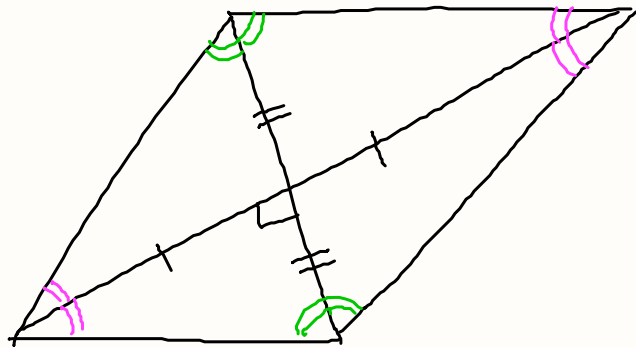
Ch. 5.6

PARALLELOGRAM - QUADRILATERAL
IN WHICH OPPOSITE SIDES
ARE PARALLEL



RHOMBUS - PARALLELOGRAM

IN WHICH ALL SIDES ARE CONGRUENT.

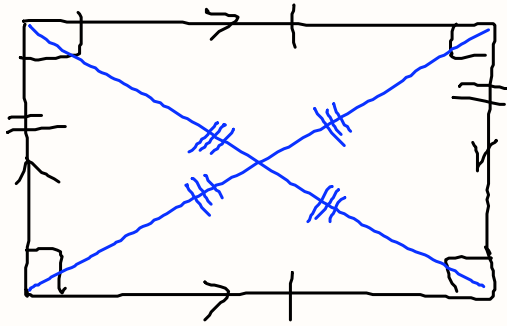


C-50 p.288

THE DIAGONALS OF A RHOMBUS
ARE PERPENDICULAR AND BISECT
EACH OTHER

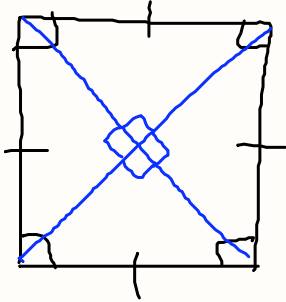
C-51 p.288

THE DIAGONALS OF A RHOMBUS BISECT
THE ANGLES



RECTANGLE IS
AN EQUIANGULAR
PARALLELOGRAM
(ALL ANGLES = 90°)

C-52 THE DIAGONALS OF A
RECTANGLE ARE CONGRUENT AND
BISECT EACH OTHER.



A SQUARE IS AN
EQUIANGULAR RHOMBUS
A SQUARE IS AN
EQUILATERAL RECTANGLE.

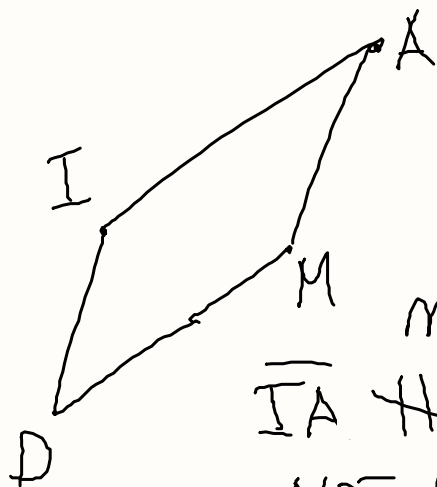
C-53

THE DIAGONALS OF A SQUARE
ARE CONGRUENT, PERPENDICULAR,
AND BISECT EACH OTHER.

PRACTICE #14, 15 p. 291

HOME #11-13 p. 290

(14) p.291



$$m_{IA} = \frac{\text{rise}}{\text{run}} = \frac{3}{5} = 0.6$$

$$m_{DM} = \frac{2}{4} = 0.5$$

$$m_{IA} \neq m_{DM}$$

$$\overline{IA} \nparallel \overline{DM}$$

NOT A RHOMBUS

(15)

FIND SLOPES BO AND YX
BY AND OX

COMPARE SLOPES OF BO AND
OX

THEY HAVE TO BE OPPOSITE
RECIPROCALLS OF EACH
OTHER

$$m_1 = 2 \quad m = \frac{1}{2}$$